

Erratum

Erratum to “The Lateral Trigger Probability function for the Ultra-High Energy Cosmic Ray Showers detected by the Pierre Auger Observatory” [Astroparticle Physics 35 (2011) 266–276]

The Pierre Auger Collaboration P. Abreu^{bl}, M. Aglietta^{ay}, E.J. Ahn^{ca}, I.F.M. Albuquerque^o, D. Allard^{ab}, I. Allekotte^a, J. Allen^{cd}, P. Allison^{cf}, J. Alvarez Castillo^{be}, J. Alvarez-Muñiz^{bs}, M. Ambrosio^{as}, A. Aminaei^{bf}, L. Anchordoqui^{cm}, S. Andringa^{bl}, T. Antičić^w, A. Anzalone^{ax}, C. Aramo^{as}, E. Arganda^{bp}, F. Arqueros^{bp}, H. Asorey^a, P. Assis^{bl}, J. Aublin^{ad}, M. Ave^{ak}, M. Avenier^{ae}, G. Avila^j, T. Bäckér^{an}, M. Balzer^{ai}, K.B. Barber^k, A.F. Barbosa^l, R. Bardenet^{ac}, S.L.C. Barroso^r, B. Baughman^{cf}, J. Bäuml^{ah,aj}, J.J. Beatty^{cf}, B.R. Becker^{ck}, K.H. Becker^{ag}, A. Bellétoile^{af}, J.A. Bellido^k, S. BenZvi^{cl}, C. Berat^{ae}, X. Bertou^a, P.L. Biermann^{ak}, P. Billoir^{ad}, F. Blanco^{bp}, M. Blanco^{bq}, C. Bleve^{ag}, H. Blümer^{ah,aj}, M. Boháčová^{y,ci}, D. Boncioli^{at}, C. Bonifazi^{u,ad}, R. Bonino^{ay}, N. Borodai^{bj}, J. Brack^{by}, P. Brogueira^{bl}, W.C. Brown^{bz}, R. Bruijn^{bu}, P. Buchholz^{an}, A. Bueno^{br}, R.E. Burton^{bw}, K.S. Caballero-Mora^{ak}, L. Caramete^{ak}, R. Caruso^{au}, A. Castellina^{ay}, O. Catalano^{ax}, G. Cataldi^{ar}, L. Cazon^{bl}, R. Cester^{av}, J. Chauvin^{ae}, S.H. Cheng^{cg}, A. Chiavassa^{ay}, J.A. Chinellato^p, A. Chou^{ca,cd}, J. Chudoba^y, R.W. Clay^k, M.R. Coluccia^{ar}, R. Conceição^{bl}, F. Contrerasⁱ, H. Cook^{bu}, M.J. Cooper^k, J. Coppens^{bf,bh}, A. Cordier^{ac}, U. Cotti^{bd}, S. Coutu^{cg}, C.E. Covault^{bw}, A. Creusot^{ab,bn}, A. Criss^{cg}, J. Cronin^{ci}, A. Curutiu^{ak}, S. Dagoret-Campagne^{ac}, R. Dallier^{af}, S. Dasso^{d,f}, K. Daumiller^{ah}, B.R. Dawson^k, R.M. de Almeida^{p,v}, M. De Domenico^{au}, C. De Donato^{aq,be}, S.J. de Jong^{bf}, G. De La Vega^h, W.J.M. de Mello Junior^p, J.R.T. de Mello Neto^u, I. De Mitri^{ar}, V. de Souzaⁿ, K.D. de Vries^{bg}, G. Decerprit^{ab}, L. del Peral^{bq}, O. Deligny^{aa}, H. Dembinski^{ah,aj}, N. Dhital^{cc}, C. Di Giulio^{ap,at}, J.C. Diaz^{cc}, M.L. Díaz Castro^m, P.N. Diep^{cn}, C. Dobrigkeit^p, W. Docters^{bg}, J.C. D’Olivo^{be}, P.N. Dong^{aa,cn}, A. Dorofeev^{by}, J.C. dos Anjos^a, M.T. Dova^e, D. D’Urso^{as}, I. Dutan^{ak}, J. Ebr^y, R. Engel^{ah}, M. Erdmann^{al}, C.O. Escobar^p, A. Etchegoyen^b, P. Facal San Luis^{ci}, I. Fajardo Tapia^{be}, H. Falcke^{bf,bi}, G. Farrar^{cd}, A.C. Fauth^p, N. Fazzini^{ca}, A.P. Ferguson^{bw}, A. Ferrero^b, B. Fick^{cc}, A. Filevich^b, A. Filipčič^{bm,bn}, S. Fliescher^{al}, C.E. Fracchiolla^{by}, E.D. Fraenkel^{bg}, U. Fröhlich^{an}, B. Fuchs^a, R. Gaior^{ad}, R.F. Gamarra^b, S. Gambetta^{ao}, B. García^h, D. García Gámez^{br}, D. Garcia-Pinto^{bp}, A. Gascon^{br}, H. Gemmeke^{ai}, K. Gesterling^{ck}, P.L. Ghia^{ad,ay}, U. Giaccari^{ar}, M. Giller^{bk}, H. Glass^{ca}, M.S. Gold^{ck}, G. Golup^a, F. Gomez Albarracin^e, M. Gómez Berisso^a, P. Gonçalves^{bl}, D. Gonzalez^{ak}, J.G. Gonzalez^{ak}, B. Gookin^{by}, D. Góra^{aj,bj}, A. Gorgi^{ay}, P. Gouffon^o, S.R. Gozzini^{bu}, E. Grashorn^{cf}, S. Grebe^{bf}, N. Griffith^{cf}, M. Grigat^{al}, A.F. Grillo^{az}, Y. Guardincerri^d, F. Guarino^{as}, G.P. Guedes^q, A. Guzman^{be}, J.D. Hague^{ck}, P. Hansen^e, D. Harari^a, S. Harmsma^{bg,bh}, J.L. Harton^{by}, A. Haungs^{ah}, T. Hebbeker^{al}, D. Heck^{ah}, A.E. Herve^k, C. Hojvat^{ca}, N. Hollon^{ci}, V.C. Holmes^k, P. Homola^{bj}, J.R. Hörandel^{bf}, A. Horneffer^{bf}, M. Hrabovský^{y,z}, T. Huege^{ah}, A. Insolia^{au}, F. Ionita^{ci}, A. Italiano^{au}, C. Jarne^e, S. Jiraskova^{bf}, K. Kadija^w, K.H. Kampert^{ag}, P. Karhan^x, P. Kasper^{ca}, B. Kégl^{ac}, B. Keilhauer^{ah}, A. Keivani^{cb}, J.L. Kelley^{bf}, E. Kemp^p, R.M. Kieckhafer^{cc}, H.O. Klages^{ah}, M. Kleifges^{ai}, J. Kleinfeller^{ah}, J. Knapp^{bu}, D.-H. Koang^{ae}, K. Kotera^{ci}, N. Krohm^{ag}, O. Krömer^{ai}, D. Kruppke-Hansen^{ag}, F. Kuehn^{ca}, D. Kuempel^{ag}, J.K. Kulbartz^{am}, N. Kunka^{ai}, G. La Rosa^{ax}, C. Lachaud^{ab}, P. Lautridou^{af}, M.S.A.B. Leão^t, D. Lebrun^{ae}, P. Lebrun^{ca}, M.A. Leigui de Oliveira^t, A. Lemiere^{aa}, A. Letessier-Selvon^{ad}, I. Lhenry-Yvon^{aa}, K. Link^{ak}, R. López^{bb}, A. Lopez Agüera^{bs}, K. Louedec^{ac}, J. Lozano Bahilo^{br}, A. Lucero^{b,ay}, M. Ludwig^{ak}, H. Lyberis^{aa}, M.C. Maccarone^{ax}, C. Macolino^{ad}, S. Maldera^{ay}, D. Mandat^y, P. Mantsch^{ca}, A.G. Mariazzi^e, J. Marin^{i,ay}, V. Marin^{af}, I.C. Maris^{ad}, H.R. Marquez Falcon^{bd}, G. Marsella^{aw}, D. Martello^{ar}, L. Martin^{af},

DOI of original article: [10.1016/j.astropartphys.2011.08.001](https://doi.org/10.1016/j.astropartphys.2011.08.001)

H. Martinez^{bc}, O. Martínez Bravo^{bb}, H.J. Mathes^{ah}, J. Matthews^{cb,ch}, J.A.J. Matthews^{ck}, G. Matthiae^{at}, D. Maurizio^{av}, P.O. Mazur^{ca}, G. Medina-Tanco^{be}, M. Melissas^{ak}, D. Melo^{b,av}, E. Menichetti^{av}, A. Menshikov^{ai}, P. Mertsch^{bt}, C. Meurer^{al}, S. Mićanović^w, M.I. Micheletti^g, W. Miller^{ck}, L. Miramonti^{aq}, S. Mollerach^a, M. Monasor^{ci}, D. Monnier Ragaigine^{ac}, F. Montanet^{ae}, B. Morales^{be}, C. Morello^{ay}, E. Moreno^{bb}, J.C. Moreno^e, C. Morris^{cf}, M. Mostafā^{by}, C.A. Moura^{t,as}, S. Mueller^{ah}, M.A. Muller^p, G. Müller^{al}, M. Münchmeyer^{ad}, R. Mussa^{av}, G. Navarra^{ay,1}, J.L. Navarro^{br}, S. Navas^{br}, P. Necesal^y, L. Nellen^{be}, A. Nelles^{bf}, P.T. Nhung^{cn}, L. Niemietz^{ag}, N. Nierstenhoefer^{ag}, D. Nitz^{cc}, D. Nosek^x, L. Nožka^y, M. Nyklicek^y, J. Oehlschläger^{ah}, A. Olinto^{ci}, P. Oliva^{ag}, V.M. Olmos-Gilbaja^{bs}, M. Ortiz^{bp}, N. Pacheco^{bq}, D. Pakk Selmi-Dei^p, M. Palatka^y, J. Pallotta^c, N. Palmieri^{ak}, G. Parente^{bs}, E. Parizot^{ab}, A. Parra^{bs}, R.D. Parsons^{bu}, S. Pastor^{bo}, T. Paul^{ce}, M. Pech^y, J. Pekala^{bj}, R. Pelayo^{bs}, I.M. Pepe^s, L. Perrone^{aw}, R. Pesce^{ao}, E. Petermann^{cj}, S. Petrera^{ap}, P. Petrinca^{at}, A. Petrolini^{ao}, Y. Petrov^{by}, J. Petrovic^{bh}, C. Pfendner^{cl}, N. Phan^{ck}, R. Piegaia^d, T. Pierog^{ah}, P. Pieroni^d, M. Pimenta^{bl}, V. Pirronello^{au}, M. Platino^b, V.H. Ponce^a, M. Pontz^{an}, P. Privitera^{ci}, M. Prouza^y, E.J. Quel^c, S. Querschfeld^{ag}, J. Rautenberg^{ag}, O. Ravel^{af}, D. Ravignani^b, B. Revenu^{af}, J. Ridky^y, S. Riggi^{au,bs}, M. Risse^{an}, P. Ristori^c, H. Rivera^{aq}, V. Rizi^{ap}, J. Roberts^{cd}, C. Robledo^{bb}, W. Rodrigues de Carvalho^{o,bs}, G. Rodriguez^{bs}, J. Rodriguez Martino^{i,au}, J. Rodriguez Rojoⁱ, I. Rodriguez-Cabo^{bs}, M.D. Rodríguez-Frías^{bq}, G. Ros^{bq}, J. Rosado^{bp}, T. Rossler^z, M. Roth^{ah}, B. Rouillé-d'Orfeuil^{ci}, E. Roulet^a, A.C. Rovero^f, C. Rühle^{ai}, F. Salamida^{ah,ap}, H. Salazar^{bb}, G. Salina^{at}, F. Sánchez^b, M. Santanderⁱ, C.E. Santo^{bl}, E. Santos^{bl}, E.M. Santos^u, F. Sarazin^{bx}, B. Sarkar^{ag}, S. Sarkar^{bt}, R. Satoⁱ, N. Scharf^{al}, V. Scherini^{aq}, H. Schieler^{ah}, P. Schiffer^{al}, A. Schmidt^{ai}, F. Schmidt^{ci}, T. Schmidt^{ak}, O. Scholten^{bg}, H. Schoorlemmer^{bf}, J. Schovancova^y, P. Schovánek^y, F. Schröder^{ah}, S. Schulte^{al}, D. Schuster^{bx}, S.J. Sciutto^e, M. Scuderi^{au}, A. Segreto^{ax}, M. Settimo^{an}, A. Shadkam^{cb}, R.C. Shellard^{l,m}, I. Sidelnik^b, G. Sigl^{am}, H.H. Silva Lopez^{be}, A. Śmiałkowski^{bk}, R. Šmída^{y,ah}, G.R. Snow^{cj}, P. Sommers^{cg}, J. Sorokin^k, H. Spinka^{bv,ca}, R. Squartiniⁱ, J. Stapleton^{cf}, J. Stasielak^{bj}, M. Stephan^{al}, E. Strazzeri^{ax}, A. Stutz^{ae}, F. Suarez^b, T. Suomijärvi^{aa}, A.D. Supanitsky^{f,be}, T. Šuška^w, M.S. Sutherland^{cb,cf}, J. Swain^{ce}, Z. Szadkowski^{ag,bk}, M. Szuba^{ah}, A. Tamashiro^f, A. Tapia^b, M. Tartare^{ae}, O. Taşcau^{ag}, C.G. Tavera Ruiz^{be}, R. Tcaciuc^{an}, D. Tegolo^{au,ba}, N.T. Thao^{cn}, D. Thomas^{by}, J. Tiffenberg^d, C. Timmermans^{bf,bh}, D.K. Tiwari^{bd}, W. Tkaczyk^{bk}, C.J. Todero Peixoto^{n,t}, B. Tomé^{bl}, A. Tonachini^{av}, P. Travnicek^y, D.B. Tridapalli^o, G. Tristram^{ab}, E. Trovato^{au}, M. Tueros^{d,bs}, R. Ulrich^{ah,cg}, M. Unger^{ah}, M. Urban^{ac}, J.F. Valdés Galicia^{be}, I. Valiño^{ah,bs}, L. Valore^{as}, A.M. van den Berg^{bg}, E. Varela^{bb}, B. Vargas Cárdenas^{be}, J.R. Vázquez^{bp}, R.A. Vázquez^{bs}, D. Veberič^{bm,bn}, V. Verzi^{at}, J. Vicha^y, M. Videla^h, L. Villaseñor^{bd}, H. Wahlberg^e, P. Wahrlich^k, O. Wainberg^b, D. Warner^{by}, A.A. Watson^{bu}, M. Weber^{ai}, K. Weidenhaupt^{al}, A. Weindl^{ah}, S. Westerhoff^{cl}, B.J. Whelan^k, G. Wiczorek^{bk}, L. Wiencke^{bx}, B. Wilczyńska^{bj}, H. Wilczyński^{bj}, M. Will^{ah}, C. Williams^{ci}, T. Winchen^{al}, L. Winders^{cm}, M.G. Winnick^k, M. Wommer^{ah}, B. Wundheiler^b, T. Yamamoto^{ci,co}, T. Yapici^{cc}, P. Younk^{an}, G. Yuan^{cb}, A. Yushkov^{as,bs}, B. Zamorano^{br}, E. Zas^{bs}, D. Zavrtanik^{bm,bn}, M. Zavrtanik^{bm,bn}, I. Zaw^{cd}, A. Zepeda^{bc}, M. Ziolkowski^{an}

^a Centro Atómico Bariloche and Instituto Balseiro (CNEA- UNCuyo-CONICET), San Carlos de Bariloche, Argentina

^b Centro Atómico Constituyentes (Comisión Nacional de Energía Atómica/CONICET/UTN-FRBA), Buenos Aires, Argentina

^c Centro de Investigaciones en Láseres y Aplicaciones, CITEFA and CONICET, Argentina

^d Departamento de Física, FCEyN, Universidad de Buenos Aires y CONICET, Argentina

^e IFLP, Universidad Nacional de La Plata and CONICET, La Plata, Argentina

^f Instituto de Astronomía y Física del Espacio (CONICET- UBA), Buenos Aires, Argentina

^g Instituto de Física de Rosario (IFIR) – CONICET/U.N.R. and Facultad de Ciencias Bioquímicas y Farmacéuticas U.N.R., Rosario, Argentina

^h National Technological University, Faculty Mendoza (CONICET/CNEA), Mendoza, Argentina

ⁱ Pierre Auger Southern Observatory, Malargüe, Argentina

^j Pierre Auger Southern Observatory and Comisión Nacional de Energía Atómica, Malargüe, Argentina

^k University of Adelaide, Adelaide, SA, Australia

^l Centro Brasileiro de Pesquisas Físicas, Rio de Janeiro, RJ, Brazil

^m Pontificia Universidade Católica, Rio de Janeiro, RJ, Brazil

ⁿ Universidade de São Paulo, Instituto de Física, São Carlos, SP, Brazil

^o Universidade de São Paulo, Instituto de Física, São Paulo, SP, Brazil

^p Universidade Estadual de Campinas, IFGW, Campinas, SP, Brazil

^q Universidade Estadual de Feira de Santana, Brazil

^r Universidade Estadual do Sudoeste da Bahia, Vitoria da Conquista, BA, Brazil

^s Universidade Federal da Bahia, Salvador, BA, Brazil

^t Universidade Federal do ABC, Santo André, SP, Brazil

^u Universidade Federal do Rio de Janeiro, Instituto de Física, Rio de Janeiro, RJ, Brazil

^v Universidade Federal Fluminense, EEMVR, Volta Redonda, RJ, Brazil

^w Rudjer Bošković Institute, 10000 Zagreb, Croatia

^x Charles University, Faculty of Mathematics and Physics, Institute of Particle and Nuclear Physics, Prague, Czech Republic

^y Institute of Physics of the Academy of Sciences of the Czech Republic, Prague, Czech Republic

^z Palacky University, RCATM, Olomouc, Czech Republic

- ^{aa} Institut de Physique Nucléaire d'Orsay (IPNO), Université Paris 11, CNRS-IN2P3 Orsay, France
- ^{ab} Laboratoire AstroParticule et Cosmologie (APC), Université Paris 7, CNRS-IN2P3 Paris, France
- ^{ac} Laboratoire de l'Accélérateur Linéaire (LAL), Université Paris 11, CNRS-IN2P3 Orsay, France
- ^{ad} Laboratoire de Physique Nucléaire et de Hautes Energies (LPNHE), Universités Paris 6 et Paris 7, CNRS-IN2P3 Paris, France
- ^{ae} Laboratoire de Physique Subatomique et de Cosmologie (LPSC), Université Joseph Fourier, INPG, CNRS-IN2P3 Grenoble, France
- ^{af} SUBATECH, CNRS-IN2P3, Nantes, France
- ^{ag} Bergische Universität Wuppertal, Wuppertal, Germany
- ^{ah} Karlsruhe Institute of Technology – Campus North – Institut für Kernphysik, Karlsruhe, Germany
- ^{ai} Karlsruhe Institute of Technology – Campus North – Institut für Prozessdatenverarbeitung und Elektronik, Karlsruhe, Germany
- ^{aj} Karlsruhe Institute of Technology – Campus South – Institut für Experimentelle Kernphysik (IEKP), Karlsruhe, Germany
- ^{ak} Max-Planck-Institut für Radioastronomie, Bonn, Germany
- ^{al} RWTH Aachen University, III. Physikalisches Institut A, Aachen, Germany
- ^{am} Universität Hamburg, Hamburg, Germany
- ^{an} Universität Siegen, Siegen, Germany
- ^{ao} Dipartimento di Fisica dell'Università and INFN, Genova, Italy
- ^{ap} Università dell'Aquila and INFN, L'Aquila, Italy
- ^{aq} Università di Milano and Sezione INFN, Milan, Italy
- ^{ar} Dipartimento di Fisica dell'Università del Salento and Sezione INFN, Lecce, Italy
- ^{as} Università di Napoli “Federico II” and Sezione INFN, Napoli, Italy
- ^{at} Università di Roma II “Tor Vergata” and Sezione INFN, Roma, Italy
- ^{au} Università di Catania and Sezione INFN, Catania, Italy
- ^{av} Università di Torino and Sezione INFN, Torino, Italy
- ^{aw} Dipartimento di Ingegneria dell'Innovazione dell'Università del Salento and Sezione INFN, Lecce, Italy
- ^{ax} Istituto di Astrofisica Spaziale e Fisica Cosmica di Palermo (INAF), Palermo, Italy
- ^{ay} Istituto di Fisica dello Spazio Interplanetario (INAF), Università di Torino and Sezione INFN, Torino, Italy
- ^{az} INFN, Laboratori Nazionali del Gran Sasso, Assergi (L'Aquila), Italy
- ^{ba} Università di Palermo and Sezione INFN, Catania, Italy
- ^{bb} Benemérita Universidad Autónoma de Puebla, Puebla, Mexico
- ^{bc} Centro de Investigación y de Estudios Avanzados del IPN (CINVESTAV), México, D.F., Mexico
- ^{bd} Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Michoacan, Mexico
- ^{be} Universidad Nacional Autónoma de México, México, D.F., Mexico
- ^{bf} IMAPP, Radboud University, Nijmegen, Netherlands
- ^{bg} Kernfysisch Versneller Instituut, University of Groningen, Groningen, Netherlands
- ^{bh} NIKHEF, Amsterdam, Netherlands
- ^{bi} ASTRON, Dwingeloo, Netherlands
- ^{bj} Institute of Nuclear Physics PAN, Krakow, Poland
- ^{bk} University of Łódź, Łódź, Poland
- ^{bl} LIP and Instituto Superior Técnico, Lisboa, Portugal
- ^{bm} J. Stefan Institute, Ljubljana, Slovenia
- ^{bn} Laboratory for Astroparticle Physics, University of Nova Gorica, Slovenia
- ^{bo} Instituto de Física Corpuscular, CSIC-Universitat de València, Valencia, Spain
- ^{bp} Universidad Complutense de Madrid, Madrid, Spain
- ^{bq} Universidad de Alcalá, Alcalá de Henares (Madrid), Spain
- ^{br} Universidad de Granada & C.A.F.P.E., Granada, Spain
- ^{bs} Universidad de Santiago de Compostela, Spain
- ^{bt} Rudolf Peierls Centre for Theoretical Physics, University of Oxford, Oxford, United Kingdom
- ^{bu} School of Physics and Astronomy, University of Leeds, United Kingdom
- ^{bv} Argonne National Laboratory, Argonne, IL, USA
- ^{bw} Case Western Reserve University, Cleveland, OH, USA
- ^{bx} Colorado School of Mines, Golden, CO, USA
- ^{by} Colorado State University, Fort Collins, CO, USA
- ^{bz} Colorado State University, Pueblo, CO, USA
- ^{ca} Fermilab, Batavia, IL, USA
- ^{cb} Louisiana State University, Baton Rouge, LA, USA
- ^{cc} Michigan Technological University, Houghton, MI, USA
- ^{cd} New York University, New York, NY, USA
- ^{ce} Northeastern University, Boston, MA, USA
- ^{cf} Ohio State University, Columbus, OH, USA
- ^{cg} Pennsylvania State University, University Park, PA, USA
- ^{ch} Southern University, Baton Rouge, LA, USA
- ^{ci} University of Chicago, Enrico Fermi Institute, Chicago, IL, USA
- ^{cj} University of Nebraska, Lincoln, NE, USA
- ^{ck} University of New Mexico, Albuquerque, NM, USA
- ^{cl} University of Wisconsin, Madison, WI, USA
- ^{cm} University of Wisconsin, Milwaukee, WI, USA
- ^{cn} Institute for Nuclear Science and Technology (INST), Hanoi, Vietnam
- ^{co} Konan University, Kobe, Japan

The Fig. 7, originally consisting of 4 panels, was truncated in the printed version (the last panel was missing). The complete version is printed again.

¹ Deceased.

E-mail address: auger_spokespersons@fnal.gov (L. Perrone).

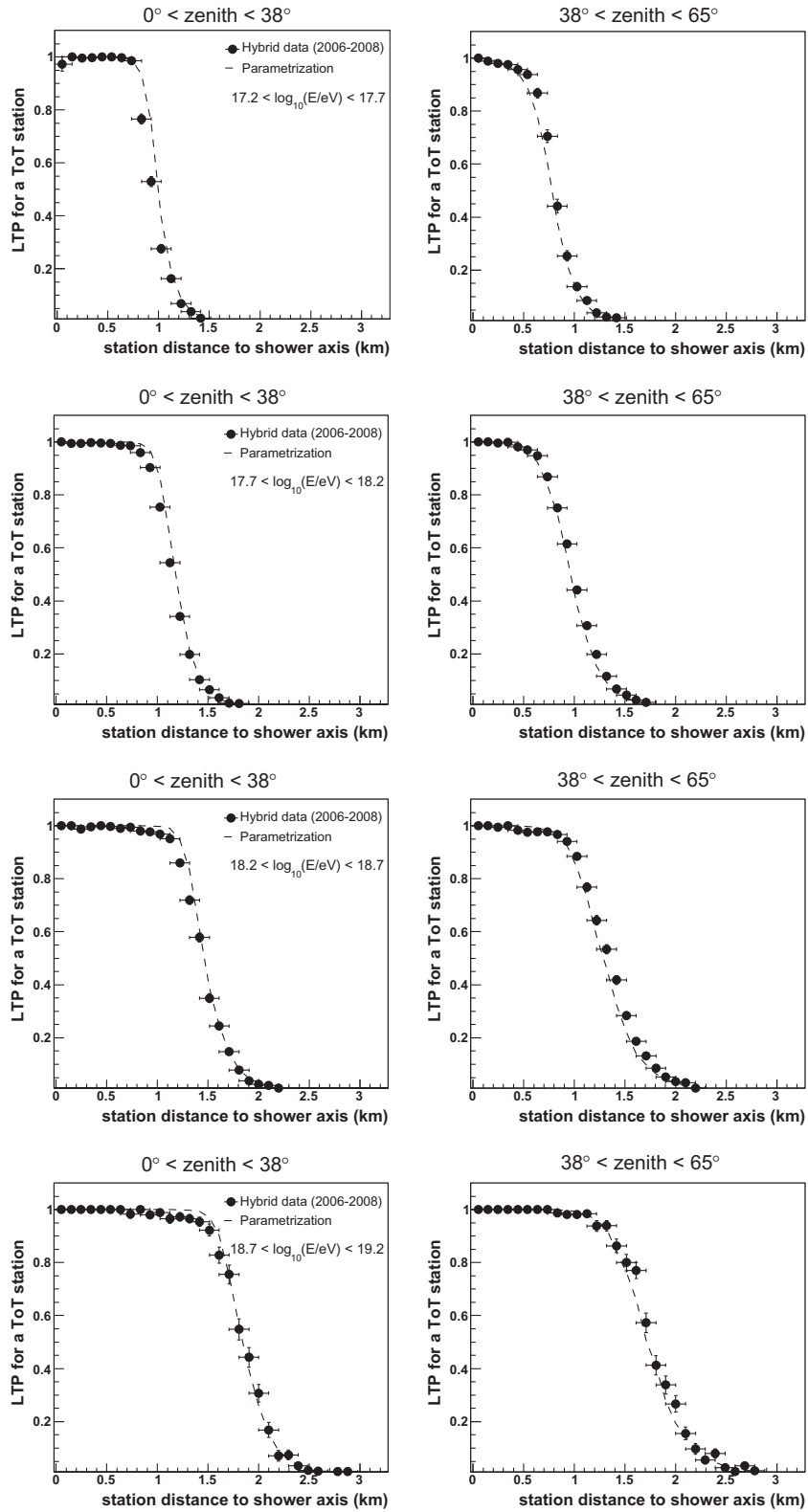


Fig. 7. Comparison of simulation with hybrid data collected in 2 years. Zenith angles are split in two ranges 0° to 38° (left) and 38° to 65° (right). From top to bottom the energy intervals are $10^{17.2} < E < 10^{17.7}$ eV, $10^{17.7} < E < 10^{18.2}$ eV, $10^{18.2} < E < 10^{18.7}$ eV, $10^{18.7} < E < 10^{19.2}$ eV.