

## G.I. SMIRNOV

### LIST OF PUBLICATIONS

- 1) W. Scandale, M. Calvani, M. D'Andrea, L.S. Esposito, ..., G.I. Smirnov, et al., (48 co-authors),  
Beam steering performance of bent silicon crystals irradiated with high-intensity and high-energy protons.  
Eur. Phys. J. C 79 (2019) 933.
- 2) W. Scandale, L.S. Esposito, M. Garattini, R. Rossi, ..., G.I. Smirnov, et al., (48 co-authors),  
Reduction of multiple scattering of high-energy positively charged particles during channeling in single crystals.  
Eur. Phys. J. C 79 (2019) 993.
- 3) W. Scandale, G. Arduini, F. Cerutti, ..., G.I. Smirnov, et al., (48 co-authors),  
Focusing of 180 GeV/c pions from a point-like source into a parallel beam by a bent silicon crystal.  
Nucl. Instr. Meth. B446 (2019) 15–18.
- 4) R. Acciarri, C. Adams, J. Asaadi, ..., G.I. Smirnov, et al., (36 co-authors),  
Demonstration of MeV-Scale Physics in Liquid Argon Time Projection Chambers Using ArgoNeUT.  
Phys. Rev. D 99 (2019) 012002.
- 5) W. Scandale, G. Arduini, F. Cerutti, ..., G.I. Smirnov, et al., (48 co-authors),  
Dechanneling of high energy particles in a long bent crystal.  
Nucl. Instr. Meth. B438 (2019) 38–41.
- 6) W. Scandale, G. Arduini, F. Cerutti, ..., G.I. Smirnov, et al., (46 co-authors),  
Comprehensive study of beam focusing by crystal devices.  
Phys. Rev. AB 21 (2018) 014702.
- 7) W. Scandale, G. Arduini, F. Cerutti, ..., G.I. Smirnov, et al., (46 co-authors),  
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Eur. Phys. J. C 78 (2018) 505.
- 8) W. Scandale, G. Arduini, F. Cerutti, ..., G.I. Smirnov, et al., (46 co-authors),  
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Nucl. Instr. Meth. B414 (2018) 104–106.
- 9) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov, et al., (46 co-authors),  
Measurements of multiple scattering of high energy protons in bent silicon crystals.  
Nucl. Instr. Meth. B402 (2017) 291–295.
- 10) F. Cerutti, A. Empl, A. Fedynitch, A. Ferrari, R. Garcia Alia, P. R. Sala, G. Smirnov, and V. Vlachoudis,  
Nuclear model developments in FLUKA for present and future applications,  
Presented at the International Conference on Nuclear Data for Science and Technology (ND2016),  
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- 11) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov et al., (46 co-authors),  
High-efficiency deflection of high energy protons due to channeling along the (110) axis of a bent silicon crystal.  
Phys. Lett. B 760 (2016) 826–831.
- 12) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov, et al., (46 co-authors),  
Observation of channeling for 6500 GeV/c protons in the crystal assisted collimation setup for LHC.  
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- 13) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov et al., (46 co-authors),  
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- 15) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov et al., (46 co-authors),  
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- 17) P. Schoofs, F. Cerutti, A. Ferrari, G. Smirnov,  
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- 18) G. Battistoni, T.T. Böhlen, F. Cerutti, P.W. Chin, ..., and G.I. Smirnov, (15 co-authors),  
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- 19) W. Scandale, G. Arduini, M. Butcher, ..., G.I. Smirnov et al., (50 co-authors),  
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- 23) T.T. Böhlen, F. Cerutti, M.P.W. Chin, ..., G.I. Smirnov et al., (9 co-authors),  
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