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Analytical solutions of the Moliere series terms of higher orders for multiple Coulomb scattering

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Abstract content

General higher terms of Moliere series are solved analytically, in Moliere- Heisenberg definite integral and/or Goldstein series. The terms of higher orders up to $n=6$ are practically obtained. Applicable region of Moliere series is extended to shorter depths of penetration down to $B=5$ by the results.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 4 (HE part 1), pages 149-152

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