Cebeiro, J.; Tarpau, C.; Morvidone, M. A.; Rubio, D.; Nguyen, M. K.
On a three-dimensional Compton scattering tomography system with fixed source. (English)
Zbl 1461.94004
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94A08  Image processing (compression, reconstruction, etc.) in information and communication theory
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44A12  Radon transform
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References:
[17] Rigaud G and Hahn B 2018 3D Compton scattering imaging and contour reconstruction for a class of Radon transforms Inverse Problems34 075004 - doi:10.1088/1361-6420/aabf0b

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Webber J W and Lionheart W R B 2018 Three dimensional Compton scattering tomography Inverse Problems 34 084001 · Zbl 1442.44002 · doi:10.1088/1361-6420/aac51e


Biedenharn L C and Louck J D 1981 Angular Momentum in Quantum Physics (Reading, MA: Addison-Wesley) · Zbl 0474.00023

Laden H N 1938 An historical and critical development of the theory of Legendre polynomials before 1900 PhD Thesis University of Maryland

Schiefeneder D and Haltmeier M 2017 The Radon transform over cones with vertices on the sphere and orthogonal axes SIAM J. Appl. Math. 77 1335-51 · Zbl 1371.44001 · doi:10.1137/16m1079476


Biedenharn L C and Louck J D 1981 Angular Momentum in Quantum Physics (Reading, MA: Addison-Wesley) · Zbl 0474.00023

Schiefeneder D and Haltmeier M 2017 The Radon transform over cones with vertices on the sphere and orthogonal axes SIAM J. Appl. Math. 77 1335-51 · Zbl 1371.44001 · doi:10.1137/16m1079476


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