

IP vertexing –a novel idea

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A new vertexing algorithm is presented, applicable to IP determination, based on the linear extrapolation of tracks in the vicinity of the IP. The algorithm considers the tracks as infinitely elongated ellipsoids, reducing the problem to the vertexing of a set of points of given ellipsoid error matrices. We have implemented the idea in C++, which works with our previously reported NXV4 package for vectors and matrices (available in JINRLIB).

Section

Design of new experimental facilities

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