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Fast timing using the Mirror Symmetric Centroid Difference Method.

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The newly developed Mirror Symmetric Centroid Difference (MSCD) Method [1,2] will be presented. Applications using electron-electron, electron-gamma and gamma-gamma coincidences using a double-Orange spectrometer [3] and LaBr₃(Ce) demonstrate the high potential of this new method.

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- [2] J.M. Régis, PhD thesis, University of Cologne (2011).
- [3] J.M. Régis, et al. NIM A 606 (2009) 466.
- [4] J.M. Régis, Th. Materna, G. Pascovici, S. Christen, A. Dewald, C. Fransen, J. Jolie, P. Petkov, K.O. Zell Review of scientific instruments 81 (2010) 113505.

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