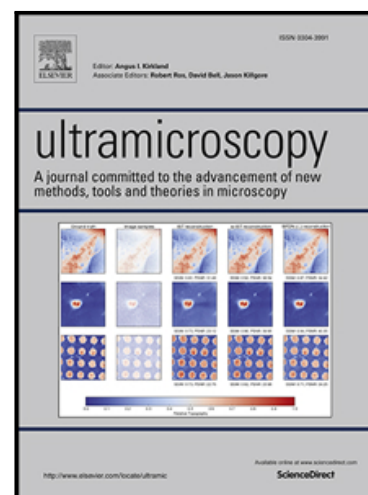


Accepted Manuscript

Quasi-parallel precession diffraction: Alignment method for scanning transmission electron microscopes

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PII: S0304-3991(17)30171-7
DOI: [10.1016/j.ultramic.2018.06.005](https://doi.org/10.1016/j.ultramic.2018.06.005)
Reference: ULTRAM 12591



To appear in: *Ultramicroscopy*

Received date: 13 April 2017
Revised date: 29 May 2018
Accepted date: 3 June 2018

Please cite this article as: S. Plana-Ruiz , J. Portillo , S. Estradé , F. Peiró , Ute Kolb , S. Nicolopoulos , Quasi-parallel precession diffraction: Alignment method for scanning transmission electron microscopes, *Ultramicroscopy* (2018), doi: [10.1016/j.ultramic.2018.06.005](https://doi.org/10.1016/j.ultramic.2018.06.005)

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Highlights

- A general method to align a quasi-parallel beam on a scanning transmission electron microscope (STEM) is proposed.
- 6-coils and 8-coils precession electron diffraction (PED) alignment is presented for the STEM mode.
- Quasi-parallel PED-STEM is achieved on a JEOL 2100 LaB₆ with 12 nm of beam diameter, 0.5 mrad of convergence angle and 1.0 degree of beam precession.

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