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The New Multi-Anvil End-Stations of SSRF

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Two end-stations based on large volume presses (LVP) have been built at SSRF, equipped with 200-ton and 2000-ton large volume presses respectively. These stations officially open to users in January 2024. The 2000-ton press adopts a dual-module design, supporting both Kawai and DDIA modules, and has achieved a pressure of 40GPa. The 200-ton press uses DDIA module. Both experimental stations can conduct energy dispersive diffraction, XRD, and high-resolution imaging experiments. In addition, they can also carry out high-temperature experiments with a maximum temperature exceeding 2100K. The establishment of the LVP experimental stations at SSRF represents a new opportunity for international research on high-temperature and high-pressure experiments based on large volume presses.

I plan to submit also conference proceedings

Yes

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