

放射光実験施設における音速実験の打ち合わせ

Discussion on ultrasonic experiments at synchrotron radiation facility

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受け入れ教官：米田 明

内海は Spring8 放射光実験施設高圧ビームラインの責任者である。放射光高圧実験にたいする三朝の熱意や技術力を評価してもらうために来所してもらった。米田と内海がたまたま大阪大学基礎工学研究科の同窓である関係で、米田が受け入れ教官になった。内海が三朝をどう評価したかについては、その後の三朝からの課題採択状況から推察していただきたい。

Precise determination of phase relations in the system Mg_2SiO_4 - Fe_2SiO_4 at high pressures by T. Katura

Establishing equation of state of MgO and $MgSiO_3$ perovskite based on simultaneous measurements of acoustic velocity and density by A. Yoneda

Precise determination of the phase boundaries among ilmenite, garnet and perovskite structures in $MgSiO_3$ by in situ x-ray observations by T. Katura

Precise determination of the phase boundaries among ilmenite, garnet and perovskite structures in $MgSiO_3$ by in situ x-ray observations by M. Kanzaki

Subsolidus Transition from Wadsleyite (beta Phase) to Spinel (gamma Phase) in the System Mg_2SiO_4 as a Function of Pressure and Temperature by T. Katura

Calibration of cubic anvil cell using sintered diamond by S. Ono

In Situ Observation of the Ilmenite-Perovskite Phase Transformation in Mg_2SiO_3 Using Synchrotron Radiation by S. Ono

In situ X ray Diffraction Study of High-pressure phases of SnO_2 by E. Ito

In-situ viscosity measurement of SiO_2 melt at high pressure by M. Kanzaki

Precise determination of the phase boundary between spinel and perovskite+periclase in the system Mg_2SiO_4 - Fe_2SiO_4 by T. Katura

Re-determination of the Phase Boundary of the Post-Spinel Transition in Mg_2SiO_4 by T. Katura

Exploration of beta-Fe using sintered diamond anvils by E. Ito

Exploration of beta-Fe using sintered diamond anvils 2 by E. Ito

Study of the phase transition in the system $(Mg,Fe)_2SiO_4$ by H. Yamada

Determination of the Spinel to Garnet Lherzolite Transition in the System CaO - MgO - Al_2O_3 - SiO_2 by M. Walter

Determination of the phase boundary of olivine-modified spinel transition in the system Mg_2SiO_4 - Fe_2SiO_4 by T. Katura

Al-Ga interdiffusion coefficient measurement of $NaAlSi_3O_8$ melt by high pressure X-ray radiography by M. Kanzaki

Exploration of beta-Fe using sintered diamond anvils 3 by E. Ito