

DAC-GHz実験におけるS波バッファロッドの開発

Development of S wave buffer rod for DAC-GHz experiments.

*米田 明¹

*Akira Yoneda¹

1. 岡山大学惑星物質研究所

1. Institute for Study of the Earth's Interior, Okayama University

I have been developing GHz ultrasonic technique for diamond anvil cell (DAC) in a recent a few years. Last year, I reported the development of P wave GHz buffer rod. Then, I conducted development of GHz S wave buffer rod as well. Simultaneously, I have examined how to get a good signal through P wave buffer rod. The solution is combination wiping by acetone, alcohol, and ammonia water. I have started the measurement for the specimen squeezed in DAC. In the poster, I will show those efforts.

キーワード：GHz音速法、ダイヤモンドアンビルセル、S波、マントル、弾性、高圧

Keywords: GHz ultrasonics, diamond anvil cell, S wave, mantle, elasticity, high pressure