

Relationship between meteorite composition and bipolar out-flow of the proto-sun

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Materials in chondrites such as chondrules, CAIs and matrix minerals have been generated in the stage of T-tauri star of the sun. These materials have been globally circulated around the solar nebulae by bipolar out-flow of the proto-sun. This circulation mechanism determined compositions of each planet. In this talk, I will introduce the evidence of stable isotopes and short lived nuclei in the meteorite component, and discuss the relationship to the proto-star phenomena.