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西藏墨竹工卡县甲玛铜多金属矿不同矿石中辉钼矿Re-Os同位素定年及其成矿意义 [点此下载全文](#)

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摘要:

西藏墨竹工卡县甲玛铜多金属矿中, 辉钼矿普遍发育, 产于各类矿石中, 尤其在矽卡岩型和角岩型矿石中少量产于大理岩和结晶灰岩型矿石中。本文采集了甲玛铜多金属矿矽卡岩、角岩和斑岩中不同产状、不同形态的钼矿等时线年龄为14.67±0.19 Ma, 结果一致。辉钼矿中187Re含量变化于38.75~387.4 m g/g, 其中, 角岩中钼矿含量为123.7~304.7 m g/g, 含量较高, 而斑岩中辉钼矿的187Re含量相对较低, 38.75~130.5 m g/g; s含量变化情况基本与187Re相同。甲玛辉钼矿187Re值与冈底斯其他矿体的值对比, 显示冈底斯成矿带斑岩-矽高187Re值的特点。本文研究成果表明, 甲玛大型铜多金属矿床形成于中新世Langhian期, 辉钼矿为主成矿期的态, 以及其与黄铜矿等的共生组合关系, 辉钼矿的成矿时代可代表矿区内主要矿石矿物的成矿时代, 且与冈底斯矿的成矿时代一致, 成矿集中在20~10 Ma之间, 形成于印度大陆与亚洲大陆碰撞之后, 从而否定了前人海底喷流外围进一步的找矿指明了方向。

关键词: [辉钼矿](#) [矽卡岩型-角岩型-斑岩型矿石](#) [Re-Os同位素定年](#) [成矿时代](#) [甲玛铜多金属矿](#) [西藏](#)

Re-Os dating of molybdenite occurring in different rocks from the Jiama copper depo:  
metallogenic significance [Download Fulltext](#)

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Abstract:

Molybdenite widely spreads in the different types of ores from the Jiama copper polymetalli host rock, then hornfel is the secondary, and porphyry, marble and limestone contain few molybden different occurrences from skarn, hornfel and porphyry were collected and tested by Re-Os isotopic samples changed between 14.2 and 17.5 Ma and the isochron age was 15.22±0.59 Ma. The isochron age were 14.78±0.33 Ma and 14.67±0.19 Ma, which were consistent to metallogenic period of other porphyry Gangdese metallogenic belt. The 187Re content in molybdenite was correspondingly higher in the rare Molybdenite in the Jiama ore deposit was supposed to form in one period occurring in the different Langhian Stage of Miocene with the feature of postcollision. The metallogenic period of the Jiama that of molybdenite, therefore the previous overview of effusive sedimentary metallogeny was not

Keywords: [molybdenite](#) [skarn-hornfel-porphyry type ore](#) [Re-Os isotopic dating](#) [metallogenic period deposit](#) [Tibet](#)