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试论桐柏造山带与西大别造山带的对比 [点此下载全文](#)

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摘要:

根据已有资料探讨了桐柏造山带与西大别造山带的对比。桐柏造山带由6个构造单元组成,西大别造山带可划分为10个构造单元。两个造山带北部的5个构造单元可以完全对比,并可恢复为华北板块南缘的古生代活动性大陆边缘,表明桐柏与西大别曾共同经历扬子板块古生代的俯冲。再向南,熊店—浒湾韧性剪切带中的熊店榴辉岩意味着古生代高压变质作用的存在,但不能划定明确的分布范围和构造单元。而其他中生代高压—超高压岩石以带状和穹窿状分布,在桐柏和西大别地区占据中生代造山带的主体部分,构成可以对比的线状和穹窿状构造单元。桐柏与西大别造山带的结构都是由北部古生代弧陆碰撞造山带和南部中生代高压—超高压折返形成的造山带拼合而成,因此两者都具有古生代和中生代多期造山带的特点。从构造单元和演化阶段方面分析,两个造山带是可以对比的。

关键词: [桐柏](#) [西大别](#) [造山带](#) [构造单元](#)

Correlation Between Tongbai and Western Dabie Orogenic Belts [Download Fulltext](#)

XU Bei, HUANG Shaoying, ZHAN Sheng, DENG Rongjing, LIU Bing The Key Laboratory of Orogenic Belts and Crustal Evolution

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Abstract:

Correlation between Tongbai and western Dabie orogenic belts has been discussed based on available data that suggest the Tongbai and western Dabie orogenic belts can be divided into 7 and 10 structural units, respectively. The north five units of the two orogenic belts can be correlated and resumed as the Paleozoic active continental margin of the North China plate, indicating both the Tongbai and western Dabie suffered a Paleozoic subduction of Yangtze plate. To the south, The Xiongdian eclogite in the Xiongdian-Huwan ductile shear zone implies the occurrence of the Paleozoic HP metamorphism. However it is difficult to recognize the exact distributing range and tectonic unit of the HP metamorphism. Whereas the other Mesozoic HP-UHP rocks occurred in belt-shaped and dome-shaped occupy the major part of the Mesozoic orogenic belt in Tongbai and western Dabie areas, forming the line and dome structural units that can be correlated each other. Because the frameworks of both the Tongbai and western Dabie are composed of the Paleozoic arc-continent collision orogenic belt in the north part and the Mesozoic orogenic belt formed by uplift of the HP-UHP rocks in the south part, both of them are characterized by the multiple Paleozoic and Mesozoic orogenic belt. In view of structural units and tectonic evolution, both of them are be correlated each other.

Keywords: [Tongbai](#) [Western Dabie](#) [Orogenic belt](#) [Tectonic Unit](#)

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