



A new species of *Anisentomon* from Hainan, Southern China (Protura: Eosentomidae)

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Abstract

Anisentomon hainanense new species is described from Hainan Province, Southern China. This species is characterized by the presence of four anterior setae on urosternites IV–VII and six setae on urosternites IX–X, also by one pair of curved spines on urotergite X in the position of setae *AI*. The shapes of the paired spines on urotergites X or XI are compared for the five known species of this genus. An updated key to the Chinese species of *Anisentomon* is also presented.

Key words: Protura, Eosentomidae, *Anisentomon*, new species, Hainan, China, taxonomy

Introduction

The genus *Anisentomon* Yin, 1977 is endemic to China. It is characterized by a pair of large spines on urotergites X or XI and by the absence of sensillum *e* on the foretarsus (Yin 1977). Four species have been described from China (Yin 1999), primarily in the southern provinces of Shanghai, Jiangsu, Zhejiang, Jiangxi, Hunan, Guangxi, Guangdong, and Sichuan. During a soil fauna survey of Hainan Province in 2003, many species of Eosentomidae were collected. Among them one species of *Anisentomon* was identified as new to science and is described in this paper. All type specimens are deposited in the Shanghai Entomological Museum (SEM), Institute of Plant Physiology & Ecology, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences.

Taxonomy

Anisentominae Yin, 1983

Anisentomon hainanense, new species

(Figs. 1–15)

Diagnosis. This new species is characterized by the presence of four anterior setae on urosternites IV–VII and six setae on urosternites IX–X, also by one pair of curved spines on urotergite X in the position of setae *AI*.

Description. Adult. Female body length 625–735 μm ($n=2$). Male unknown.

Head. Oval, length 68 μm , width 58–60 μm ($n=2$). Cephalic setae short. Subposterior seta 1.2 x length of posterior seta. Anterior additional and posterior additional setae also present (Fig. 1). Pseudoculus circular,