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Jianxun Hu, Hua-Zhong Ke and **Changzheng Li*** (lichangzh@mail.sysu.edu.cn), School of Mathematics, Sun Yat-sen University, Haizhu, Guangzhou, Guangdong 510275, Peoples Rep of China, and **Tuo Yang**. *Gamma conjecture I for del Pezzo surfaces.*

Gamma conjecture I and the underlying Conjecture O for Fano manifolds were proposed by Galkin, Golyshev and Iritani recently. Roughly speaking, Conjecture O concerns the distribution of eigenvalues of the linear operator given by quantum multiplication by the first Chern class, and Gamma conjecture I concerns the asymptotic behavior of flat sections of quantum connection with smallest asymptotics. We show that both conjectures hold for all two-dimensional Fano manifolds. This is joint work with Jianxun Hu, Hua-Zhong Ke and Tuo Yang. (Received January 25, 2019)