

## **The Star Formation History of the Universe**

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### **Abstract**

Strong constraints on the cosmic star formation history (SFH) have recently been established using ultraviolet and far-infrared measurements, refining the results of numerous measurements over the past decade. Taken together, the most recent and robust data indicate a compellingly consistent picture of the SFH out to redshift  $z \approx 6$ , with especially tight constraints for  $z < 1$ . There have also been a number of dedicated efforts to measure or constrain the SFH at  $z \approx 6$  and beyond. It is also possible to constrain the normalisation of the SFH using a combination of electron antineutrino flux limits from Super-Kamiokande measurements and supernova rate density measurements. In this talk I will review the SFH measurements, discussing some in detail, and will present the latest compilation of SFH measurements. I will summarise the corresponding evolution for stellar and metal mass densities, and supernova rate densities, and will briefly explore the implications for galaxy evolution.