

Supermassive Black holes in Type II Quasars

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We used the population synthesis model to obtain the stellar velocity dispersion (σ) for a sample of 202 Type II quasars candidates selected from SDSS DR4. Using the $M_{BH} - \sigma^4$ relation, we calculated the black hole masses for several Type II quasars. We also compared the stellar and gaseous velocity dispersion. The primary result is presented.