

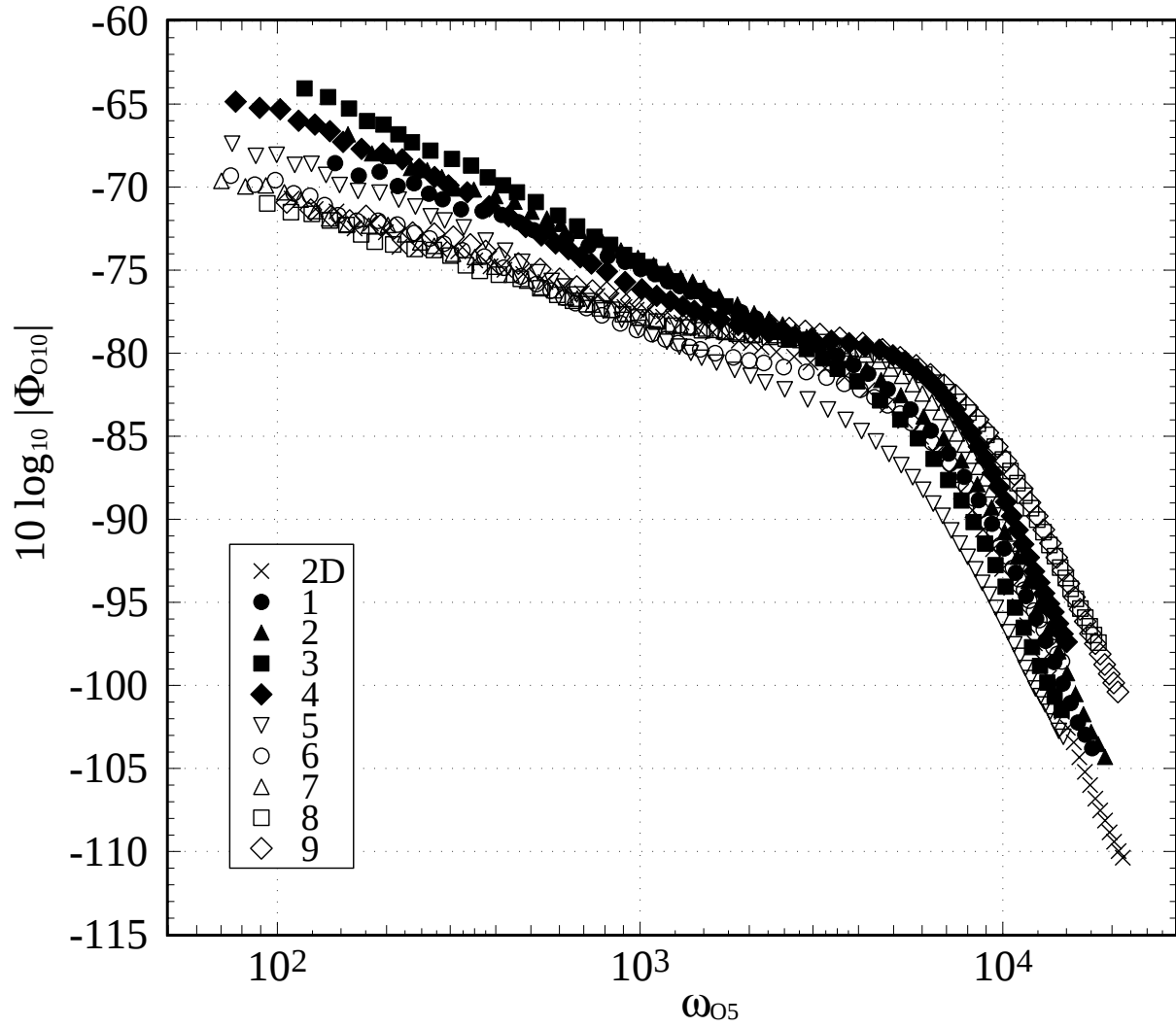


Figure 74. Spectral power density of p ($Re_\theta = 7300$ (2-D); 5940 (3-D)) normalized using Q_e as the pressure scale and Δ / u_τ as the time scale. The numbers in the legend denote the measurement station.

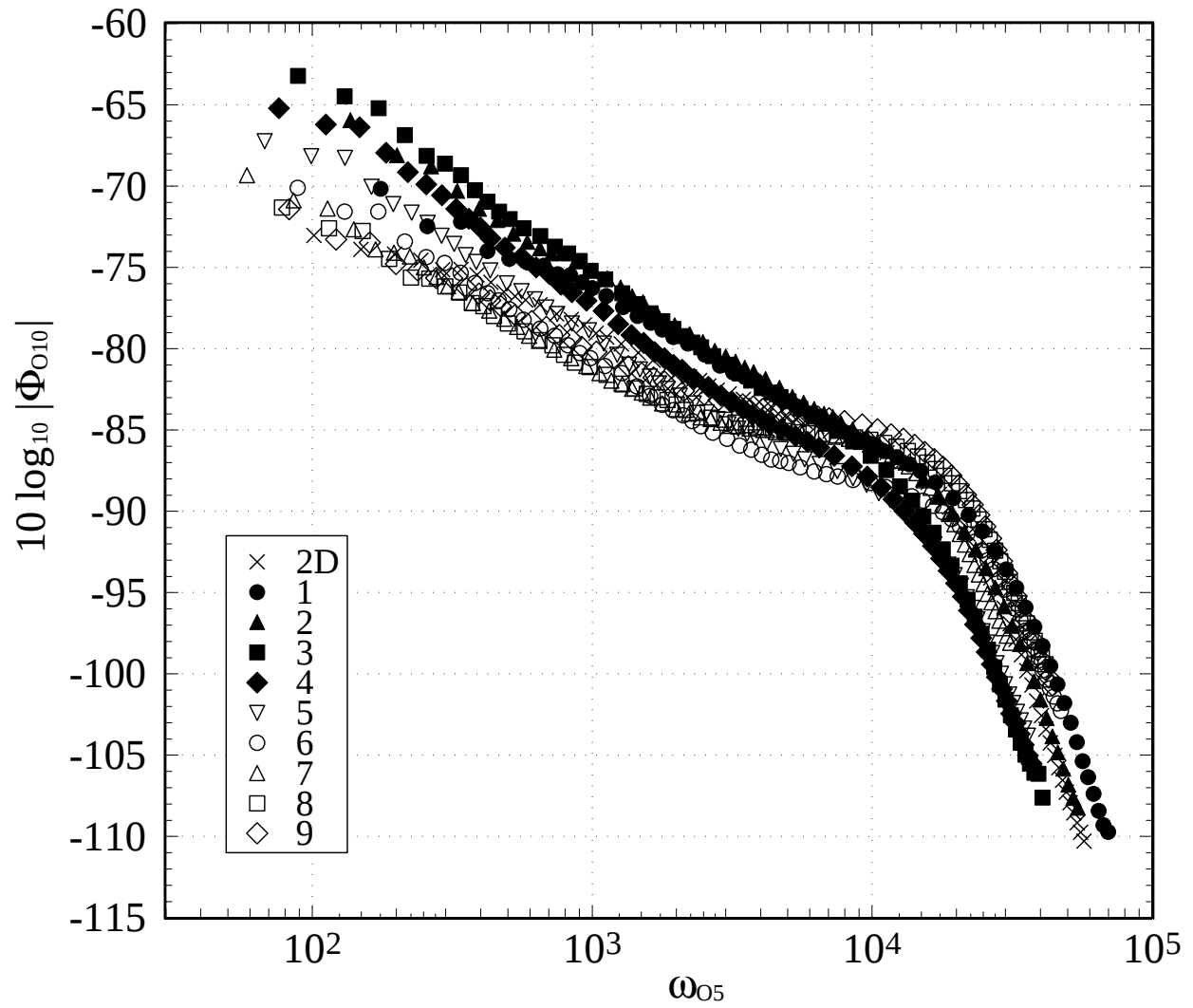


Figure 75. Spectral power density of p ($Re_\theta = 23400$ (2-D); 23200 (3-D)) normalized using Q_e as the pressure scale and Δ / u_τ as the time scale. The numbers in the legend denote the measurement station.

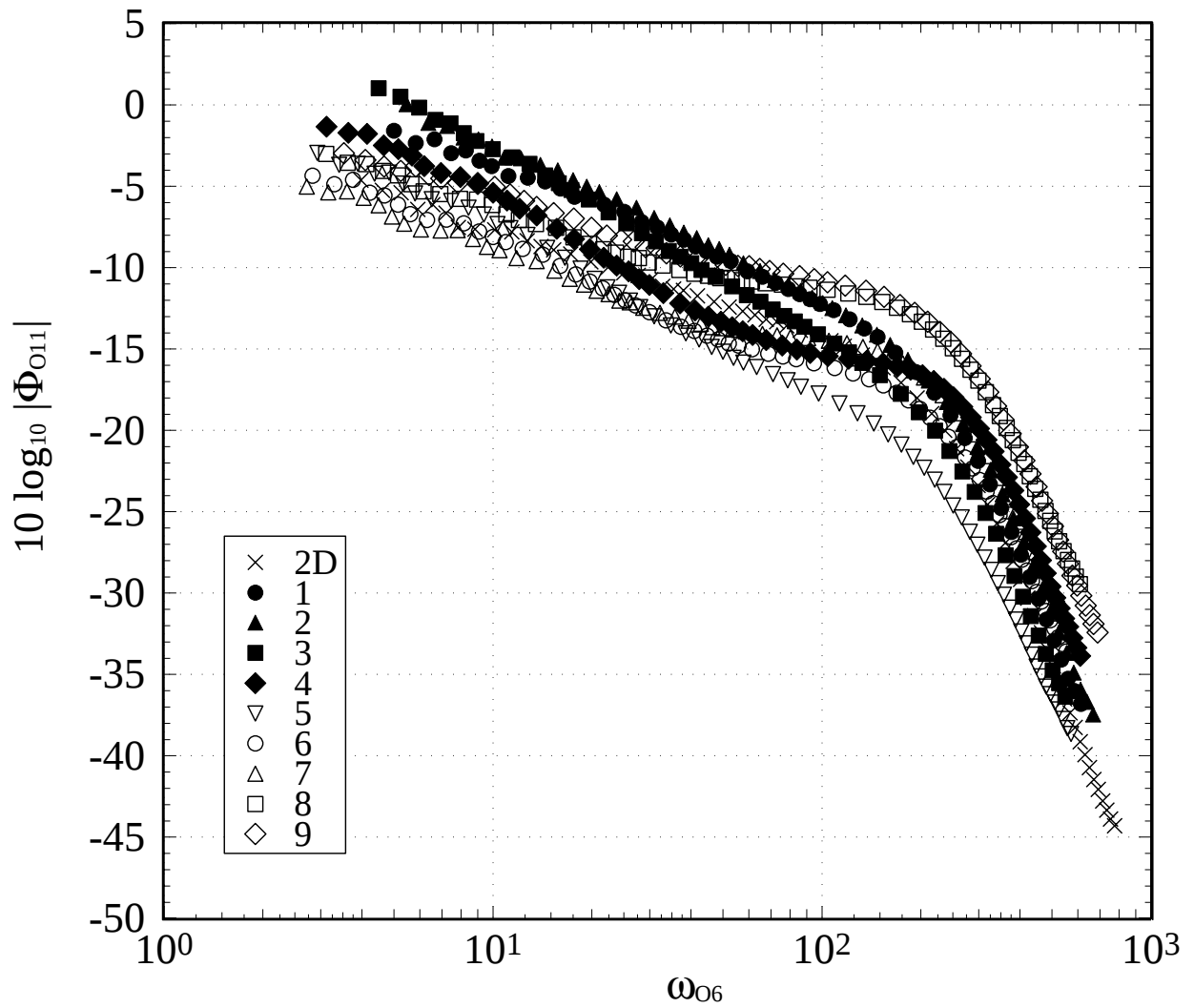


Figure 76. Spectral power density of p ($Re_\theta = 7300$ (2-D); 5940 (3-D)) normalized using τ_w as the pressure scale and Δ/U_e as the time scale. The numbers in the legend denote the measurement station.

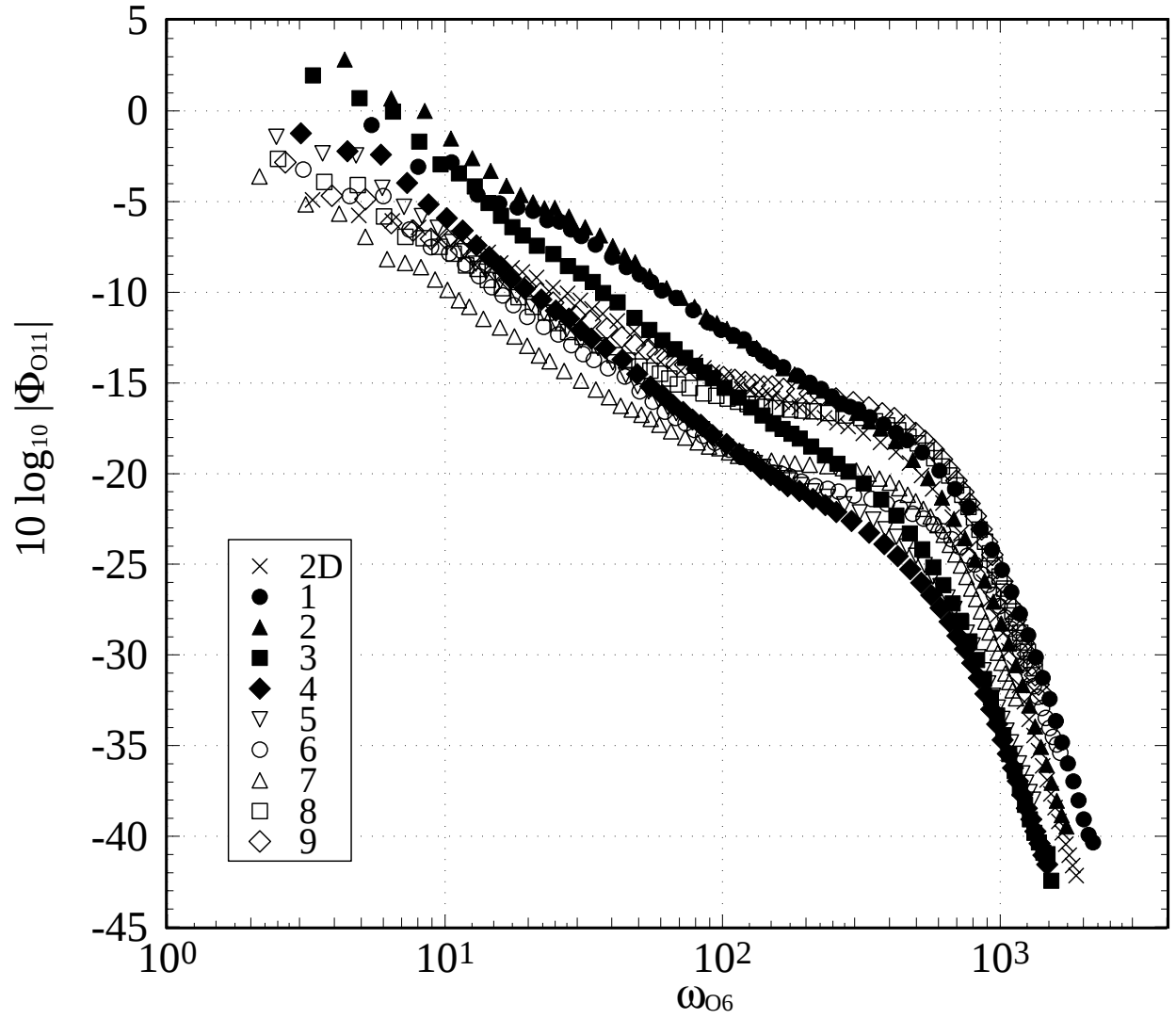


Figure 77. Spectral power density of p ($Re_\theta = 23400$ (2-D); 23200 (3-D)) normalized using τ_w as the pressure scale and Δ/U_e as the time scale. The numbers in the legend denote the measurement station.

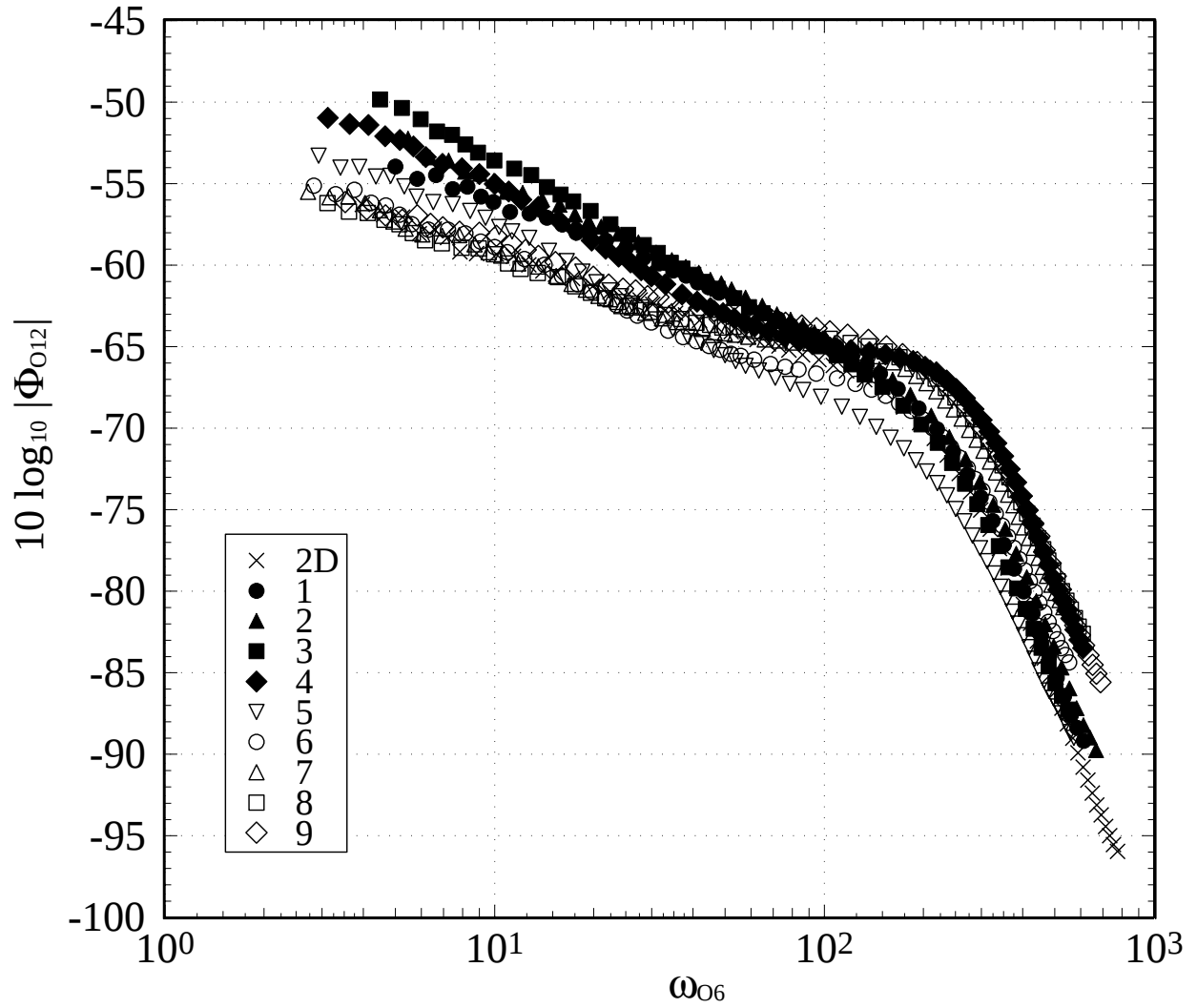


Figure 78. Spectral power density of p ($Re_\theta = 7300$ (2-D); 5940 (3-D)) normalized using Q_e as the pressure scale and Δ/U_e as the time scale. The numbers in the legend denote the measurement station.

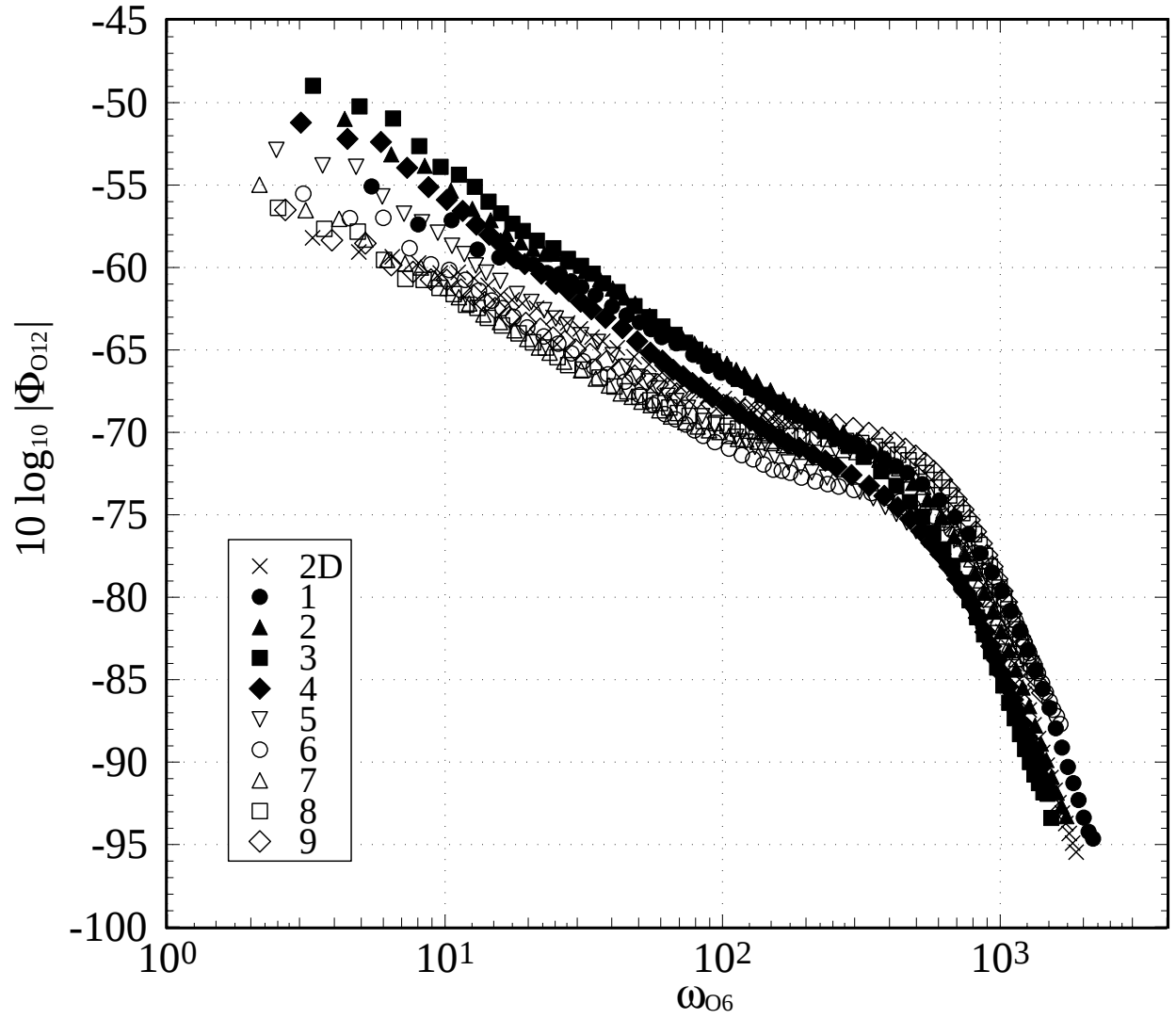


Figure 79. Spectral power density of p ($Re_\theta = 23400$ (2-D); 23200 (3-D)) normalized using Q_e as the pressure scale and Δ/U_e as the time scale. The numbers in the legend denote the measurement station.

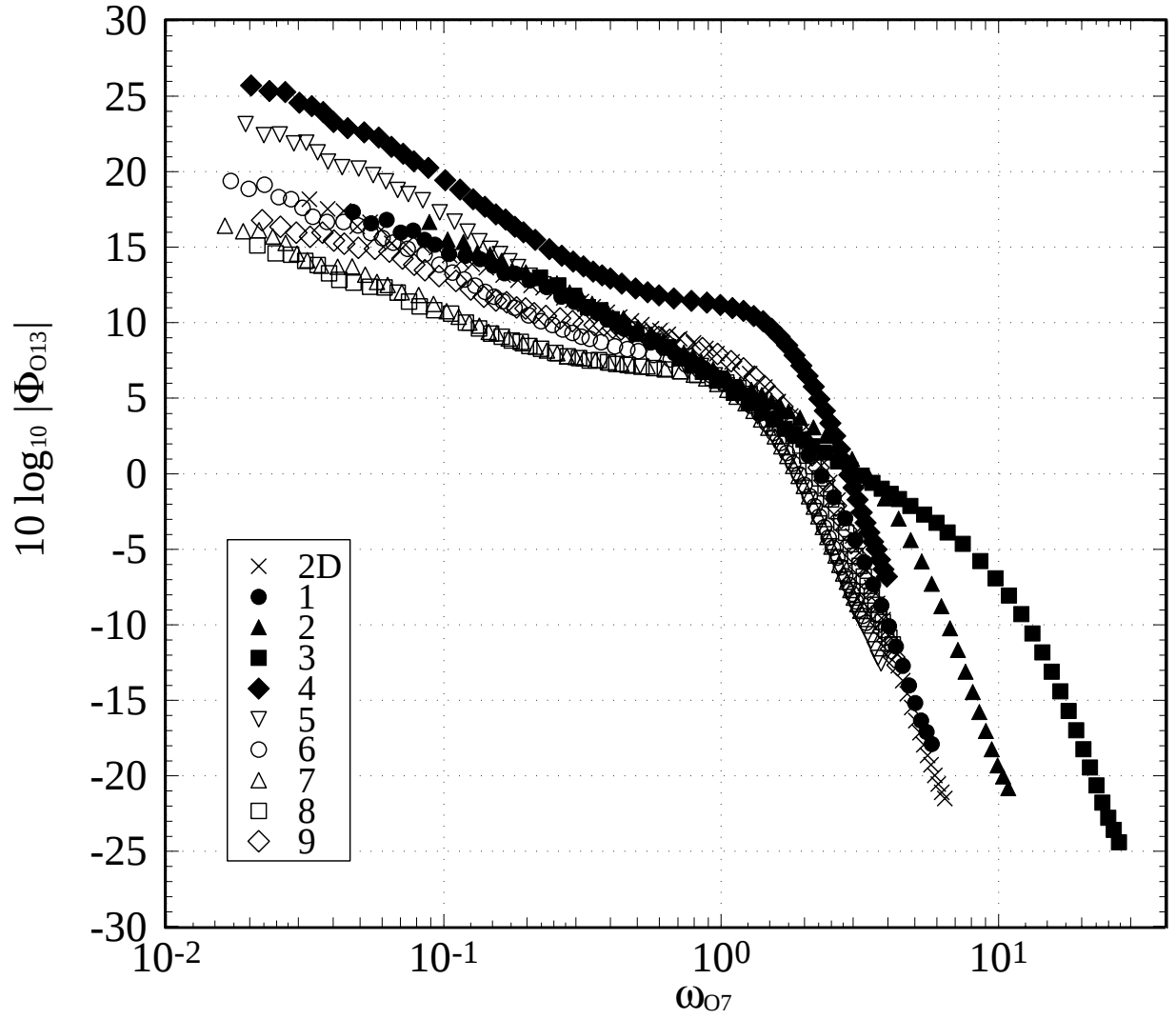


Figure 80. Spectral power density of p ($Re_\theta = 7300$ (2-D); 5940 (3-D)) normalized using τ_{MAX} as the pressure scale and $y / (U^2 + W^2)^{1/2}$ at the y location of τ_{MAX} as the time scale. The numbers in the legend denote the measurement station.

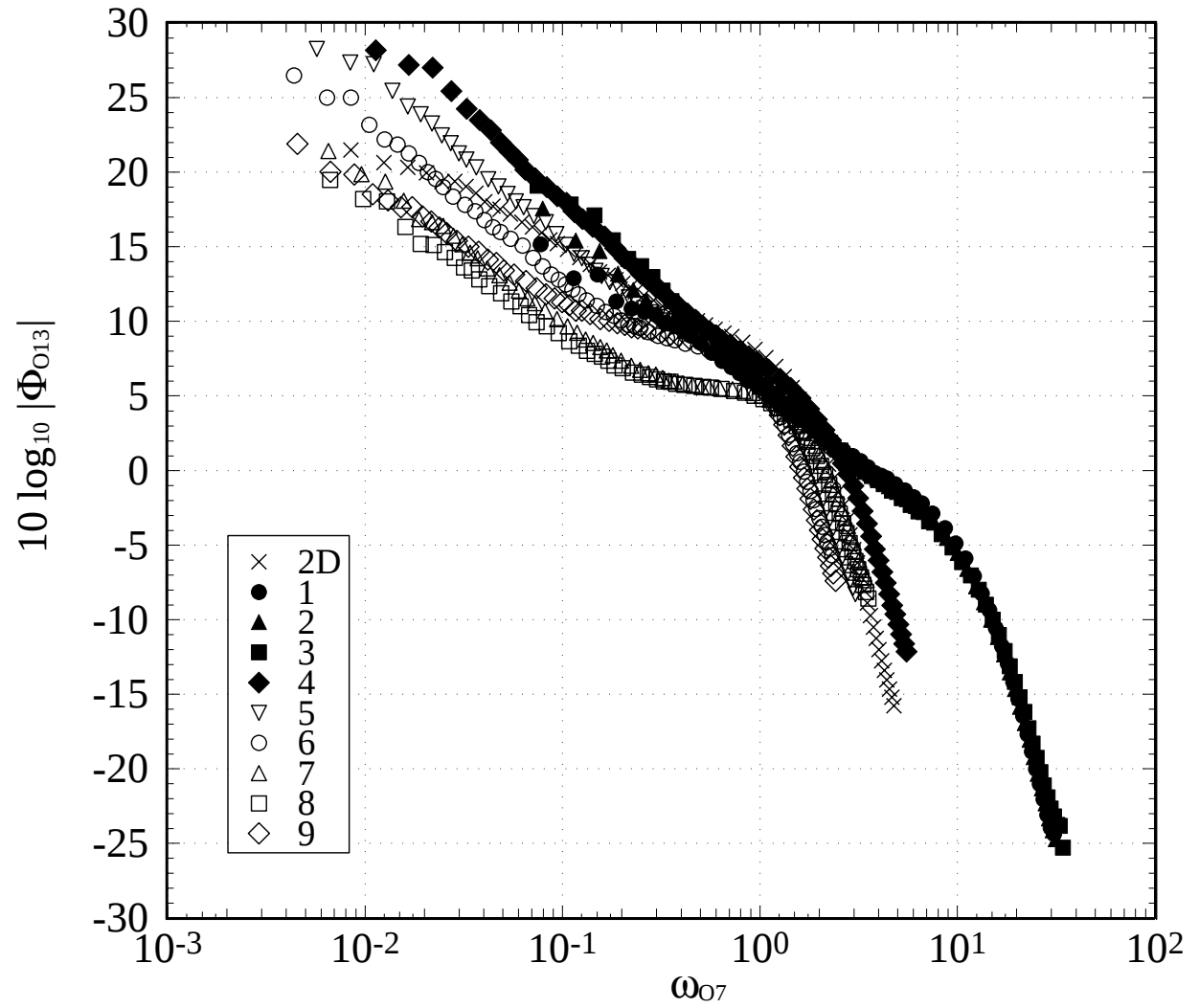


Figure 81. Spectral power density of p ($Re_\theta = 23400$ (2-D); 23200 (3-D)) normalized using τ_{MAX} as the pressure scale and $y / (U^2 + W^2)^{1/2}$ at the y location of τ_{MAX} as the time scale. The numbers in the legend denote the measurement station.

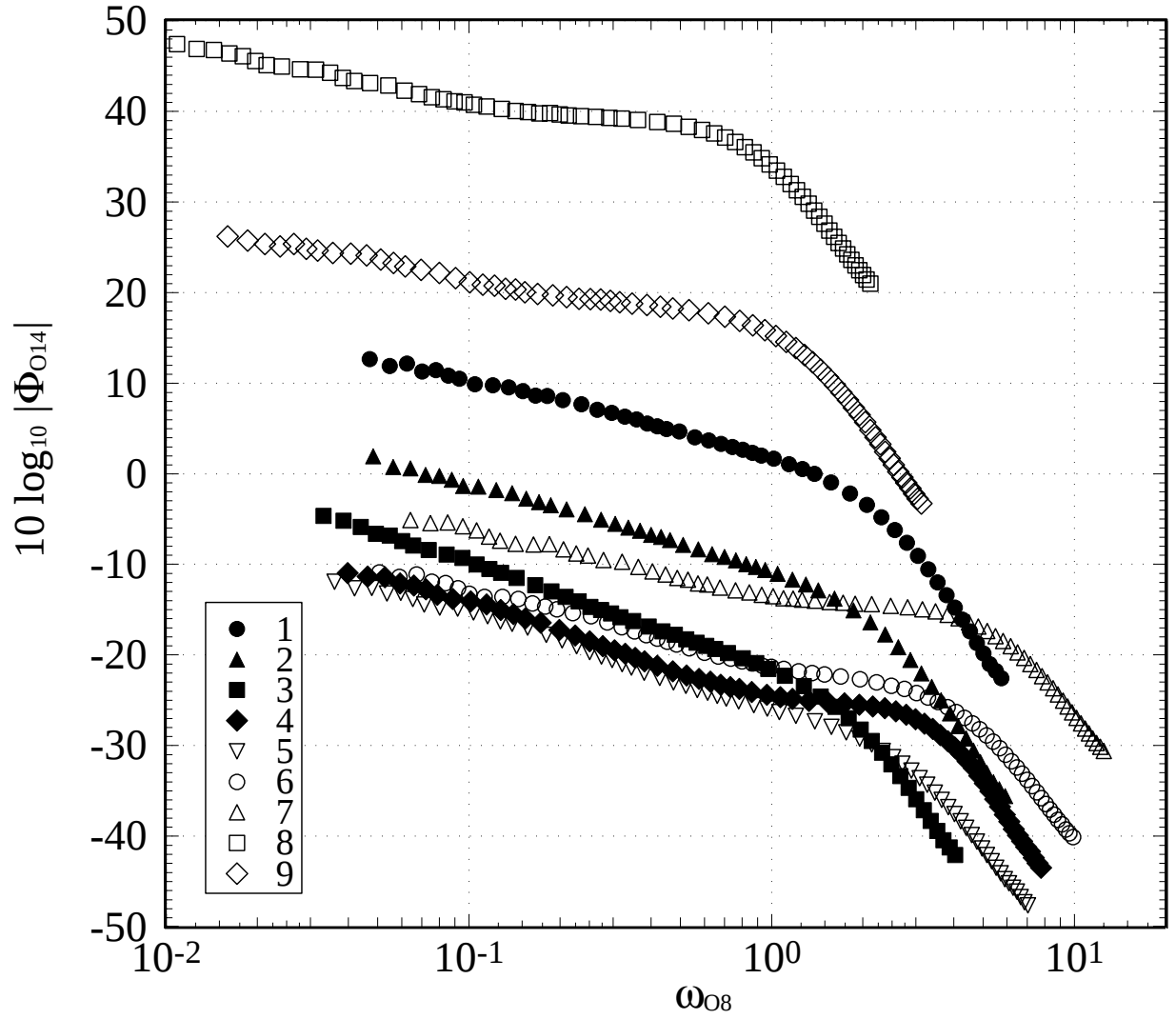


Figure 82. Spectral power density of p ($Re_\theta = 5940$) normalized using $\frac{1}{2}\rho W_{MAX}^2$ as the pressure scale and $y / (U^2 + W^2)^{1/2}$ at the y location of W_{MAX} as the time scale. The numbers in the legend denote the measurement station.

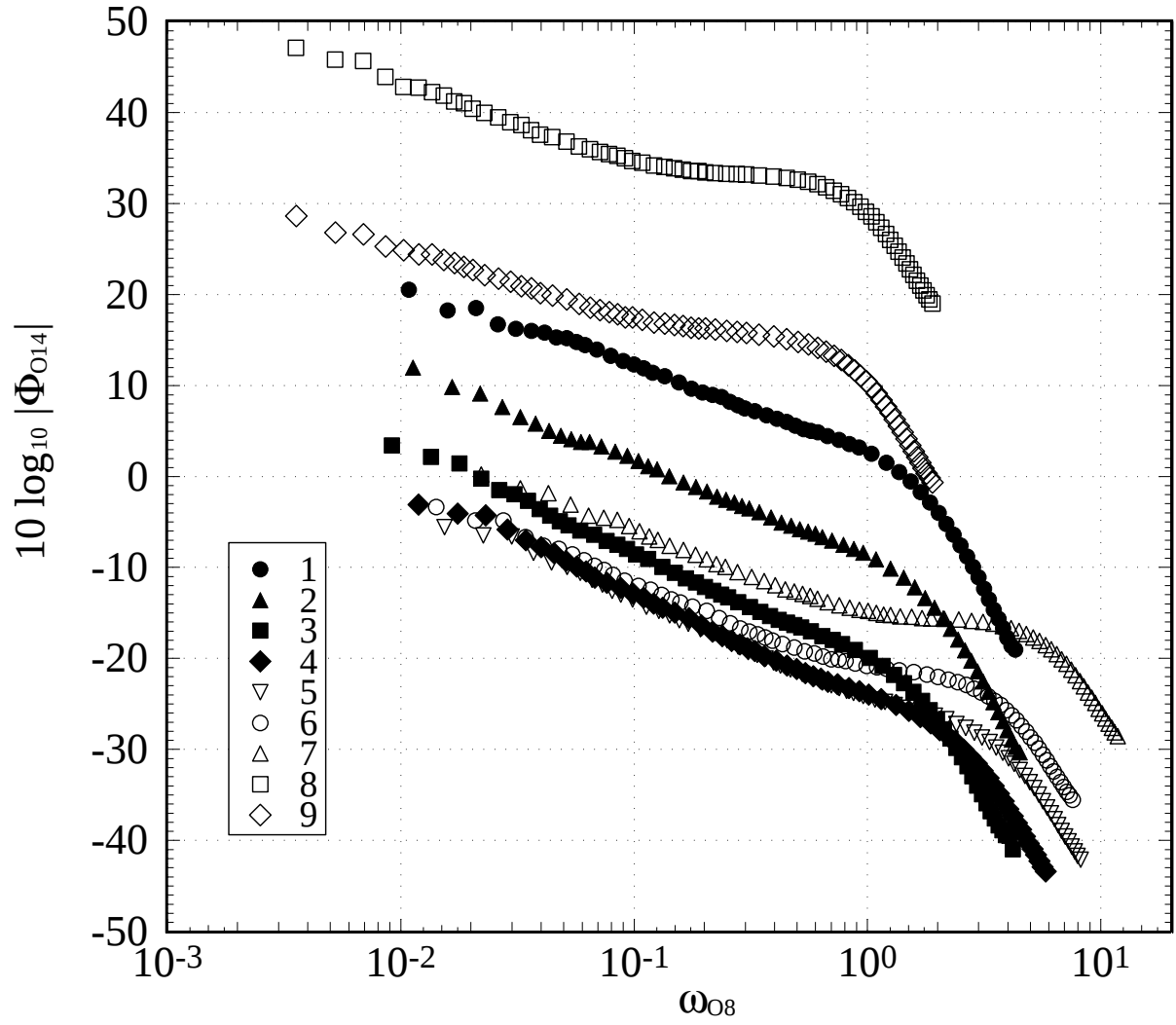


Figure 83. Spectral power density of p ($Re_\theta = 23200$) normalized using $\frac{1}{2}\rho W_{MAX}^2$ as the pressure scale and $y / (U^2 + W^2)^{1/2}$ at the y location of W_{MAX} as the time scale. The numbers in the legend denote the measurement station.

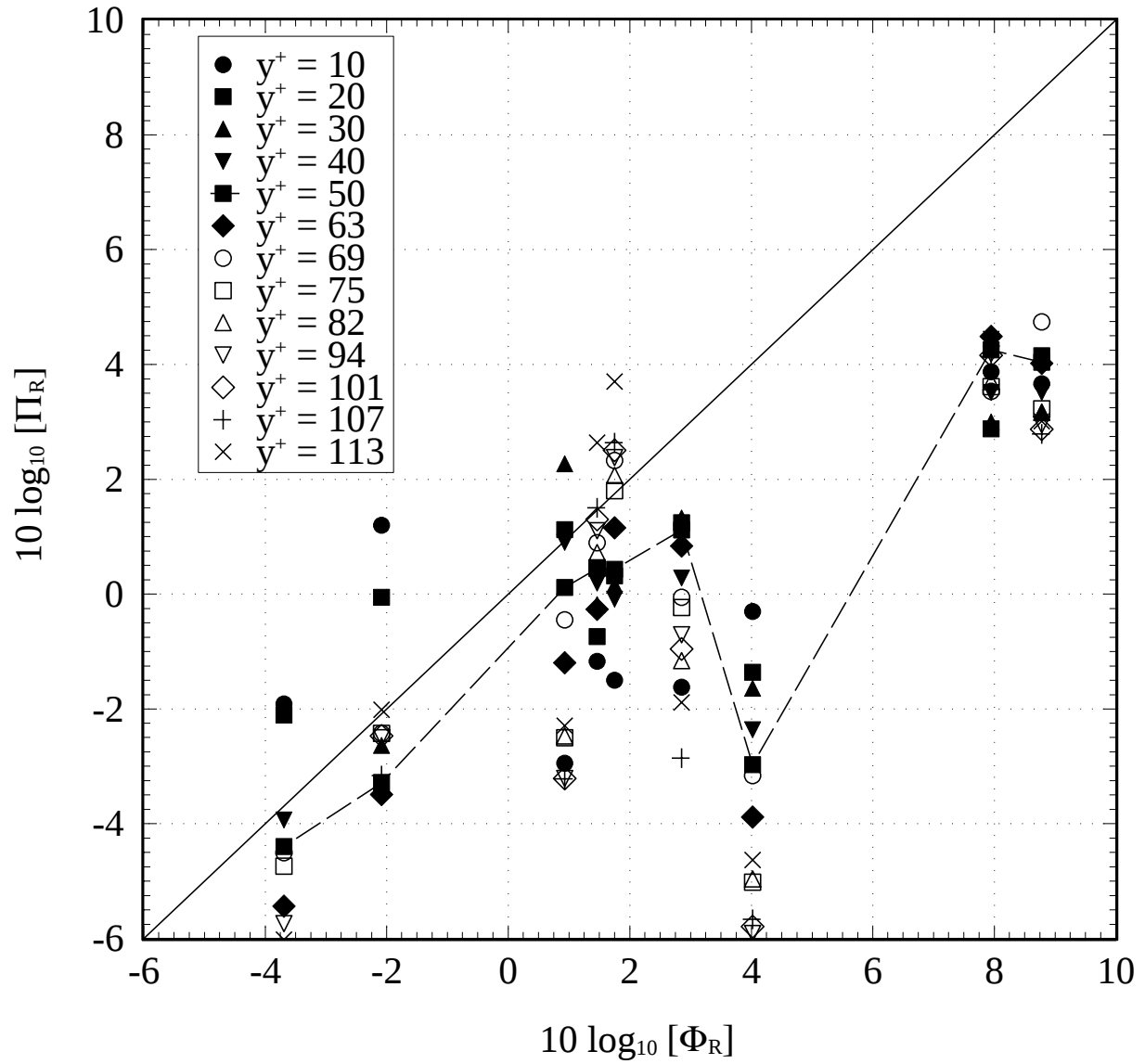


Figure 84. The *Poisson ratio* (Π_R) evaluated at the y^+ locations given in the legend at all of measurement stations in the $Re_\theta = 5940$ flow as a function of the *spectral ratio* (Φ_R). The dashed lines connects the values of Π_R evaluated at $y^+ = 50$ at all of the measurement stations. The solid line shows one-to-one correlation.