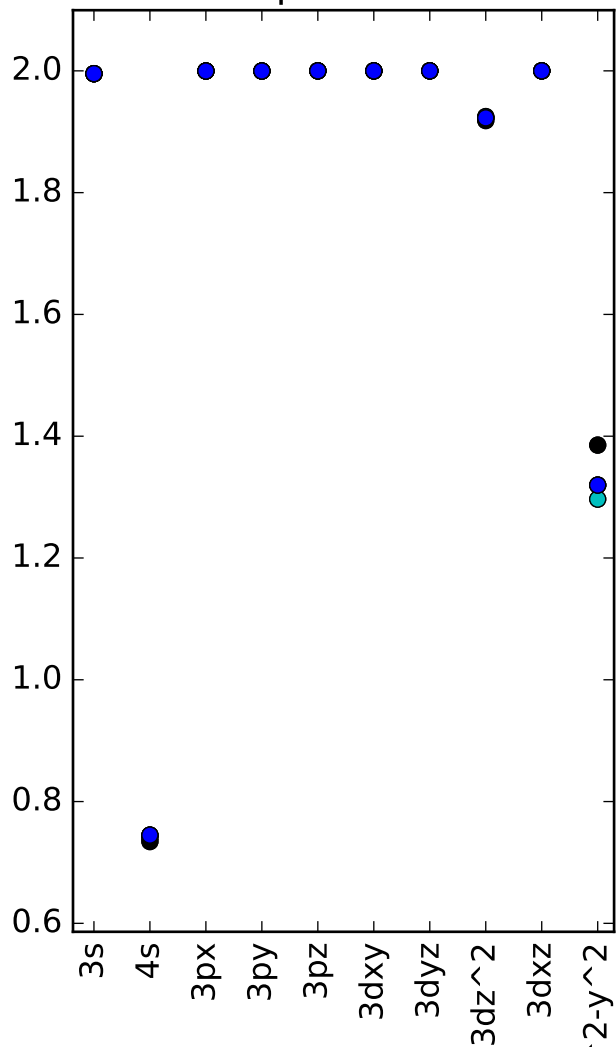Cu OAO occupations