Instructions on purchasing a Weekly Ticket (‘Wochenkarte’) at ÖBB machine:

This ticket should be for CORE ZONE 100 only, and it does NOT need to be validated.

Whatever time/day you arrive at Vienna International Airport, this ticket is NOT valid for the whole of your journey into the city.

Once in possession of your Wochenkarte, from Monday morning you need only carry it with you and present it on demand (rare). It is valid on U-Bahn (all) and on trams, buses and the S-Bahn within zone 100, which is huge – i.e., for all your journeys to and from IAEA, and trips into the inner city for dinner. You will also need it for the social outing on Wednesday. However, it will NOT take you all the way back to the airport. It is valid as far as Schwechat, two stops short. What you do is, before you set off, in Praterstern at an ÖBB machine, touch ‘national ticket, selection of destination:’en.
the next screen offers ‘from city boundary’.

Touch that, and then scroll down to find ‘Schwechat’. Touch that, and find ‘Flughafen Wien’.

Buy that ticket – again, it is already time-stamped.
If there is a ticket check on the S-Bahn, show that ticket AND your Wochenkarte and all will be well!