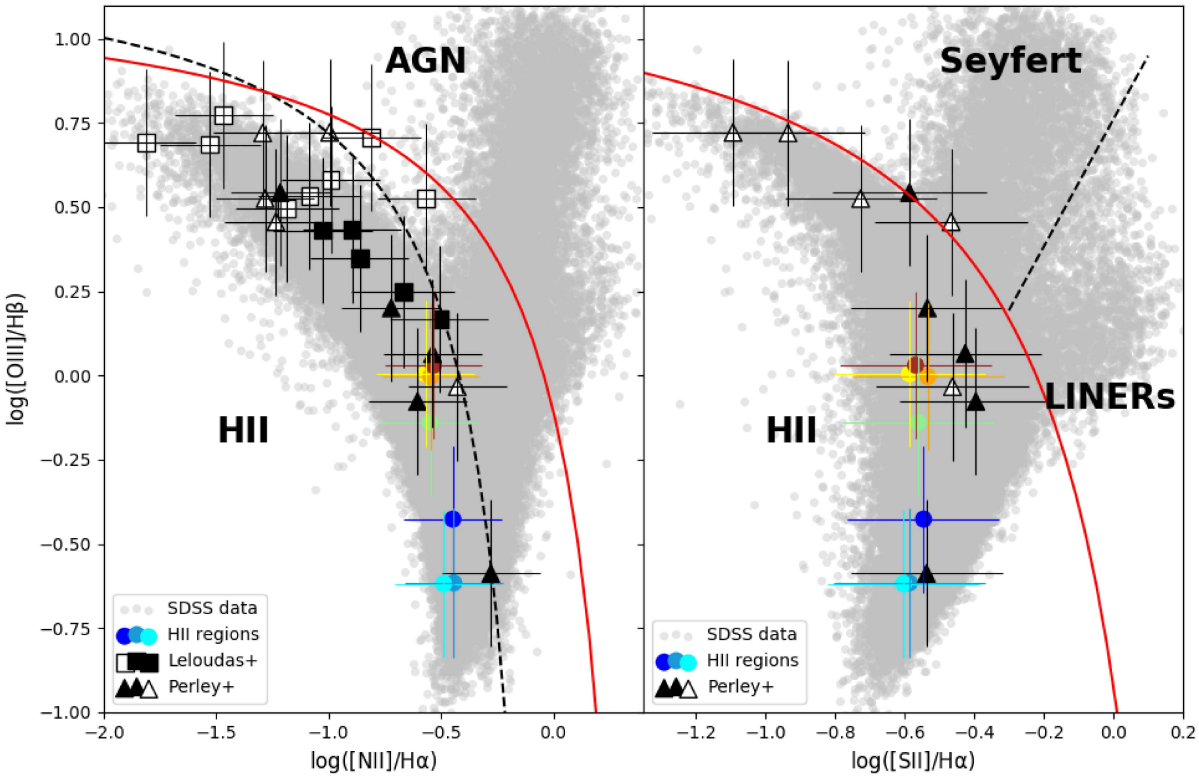BPT diagrams